ELSEVIER

Precambrian Research 106 (2001) 339–340

Precambrian Research

www.elsevier.com/locate/precamres

Contents Vol. 106

Special Issue
From Sediments to Meteorites
A Special Issue in Memory of Bartholomew Nagy
Preface
M. Schidlowski 1

In Memorium
Lasting achievement can be accomplished only by tackling important problems without regard to praise or criticism: Bartholomew Nagy, in: Who's Who in America, 1995
D.J. Mossman and M.H. Engel 5
Life on Mars: evaluation of the evidence within Martian meteorites ALH84001, Nakhla, and Shergotty
E.K. Gibson Jr, D.S. McKay, K.L. Thomas-Keprta, S.J. Wentworth, F. Westall, A. Steele, C.S. Romanek, M.S. Bell and J. Toporski. 15

Review
The stereochemistry of amino acids in the Murchison meteorite
M.H. Engel and S.A. Macko 35
Normal alkanes in meteorites: molecular $\delta^{13}C$ values indicate an origin by terrestrial contamination
M.A. Sephton, C.T. Pillinger and I. Gilmour 47
Distribution, stereochemistry, and stable isotope composition of amino acids in K/T boundary sediments
K. Brisman, M.H. Engel and S.A. Macko 59
Earliest organic evolution. Essay to the memory of Bartholomew Nagy
H.D. Pflug 79
Early Archean fossil bacteria and biofilms in hydrothermally-influenced sediments from the Barberton greenstone belt, South Africa
F. Westall, M.J. de Wit, J. Dann, S. van der Gaast, C.E.J. de Ronde and D. Gerneke 93
Carbon isotopes as biogeochemical recorders of life over 3.8 Ga of Earth history: evolution of a concept
M. Schidlowski 117
Carbonaceous substances associated with the Paleoproterozoic natural nuclear fission reactors of Oklo, Gabon: paragenesis, thermal maturation and carbon isotopic and trace element compositions
D.J. Mossman, F. Gauthier-Lafaye and S.E. Jackson 135

A chemostratigraphic overview of the late Cryogenian interglacial sequence in the Adelaide Fold-Thrust Belt, South Australia
D.M. McKirdy, J.M. Burgess, N.M. Lemon, X. Yu, A.M. Cooper, V.A. Gostin, R.J.F. Jenkins and R.A. Both 149

Mesoproterozoic megafossil *Chuaria–Tawuia* association may represent parts of a multicellular plant, Vindhyan Supergroup, Central India
S. Kumar 187

Petrogenesis of the Squirrel Hills granite and associated magnetite-rich sill and vein complex: Lightning creek prospect, Cloncurry district, Northwest Queensland
C.S. Perring, P.J. Pollard and A.J. Nunn 213

Precambrian superplumes and supercontinents: a record in black shales, carbon isotopes, and paleoclimates?
K.C. Condie, D.J. Des Marais and D. Abbott 239

Geochronology of eclogite facies metamorphism in the Sveconorwegian Province of SW Sweden
L. Johansson, C. Möller and U. Söderlund 261

Positive $\delta^{13}C$ excursion in carbonate and organic fractions from the Paleoproterozoic Aravalli Supergroup, Northwestern India
B. Sreenivas, S.D. Sharma, B. Kumar, D.J. Patil, A.B. Roy and R. Srinivasan 277

Sr-isotopic evidence for Late Neoproterozoic rifting in the Adelaide Geosyncline at 586 Ma: implications for a Cu ore forming fluid flux
J. Foden, K. Barovich, M. Jane and G. O'Halloran 291

Transpression and restraining jogs in the northeastern Yilgarn craton, Western Australia
S.F. Chen, W.K. Witt and S. Liu 309

Discussions

Discussion on 'Sveconorwegian (-Grenvillian) deformation, metamorphism and leucosome formation in SW Sweden, SW Baltic Shield: constraints from a Mesoproterozoic granite intrusion' by Andersson, J., Söderlund, U., Cornell, D., Johnsson, L., Möller, C., 1999. Precambrian Research 98, 151–171
S.Å. Larson 329

Reply to discussion on 'Sveconorwegian (-Grenvillian) deformation, metamorphism and leucosome formation in SW Sweden, SW Baltic Shield: constraints from a Mesoproterozoic granite intrusion' (Andersson, J., Söderlund, U., Cornell, D., Johansson, L., Möller, C., 1999. Precambrian Research 98,151–171) by S.-Å., Larson
J. Andersson, U. Söderlund, D. Cornell, L. Johansson and C. Möller 333

Volume contents 339